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Glenn Shankle, *Executive Director*



TEXAS COMMISSION ON ENVIRONMENTAL QUALITY

Protecting Texas by Reducing and Preventing Pollution

December 12, 2005

Mr. Wendell Smith
Environmental Manager
Transit Mix Concrete & Materials Company
2525 Stemmons Freeway
Dallas, Texas 75207

Re: Air Quality Standard Permit for Concrete Batch Plants
(As amended effective July 10, 2003)
Permit Number: 77092L001
Concrete Batch Plant
Fort Hood, Coryell County
Regulated Entity Number: RN104779897
Customer Reference Number: CN600408009

Dear Mr. Smith:

This is in response to your Form PI-1S-CBP, entitled "Air Quality Standard Permit Registration for Concrete Batch Plants," concerning the proposed construction of a temporary concrete batch plant to be located at T56136 Turkey Run Road, Fort Hood, Coryell County. We understand that the proposed facility will stay at the site for the length of the Fort Hood project and serve the project exclusively.

After evaluation of the information which you have furnished, we have determined that your proposed construction is authorized under Title 30 Texas Administrative Code (30 TAC) § 116.611, as codified in the Texas Health and Safety Code § 382.05195, if constructed and operated as described in your registration. This standard permit was authorized by the Texas Commission on Environmental Quality (TCEQ) in accordance with 30 TAC Chapter 116. This standard permit for concrete batch plants was amended and became effective on July 10, 2003.

A copy of the air quality standard permit for concrete batch plants with an effective date of July 10, 2003 is enclosed. You must begin construction of this facility in accordance with the standard permit no later than 18 months after the date of this letter. After completion of construction, the appropriate TCEQ Regional Office must be notified prior to commencing operation and the facility shall be operated in compliance with all applicable conditions of the claimed standard permit (enclosed). Also enclosed is a notification form for you to complete and send in prior to your construction or site move.

Mr. Wendell Smith
Page 2
December 12, 2005

Re: Permit Number: 77092L001

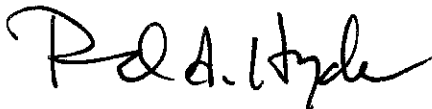
You are reminded that regardless of whether a permit is required, these facilities must be in compliance with all rules and regulations of the TCEQ and of the U.S. Environmental Protection Agency at all times.

Please reference the TCEQ air account number, regulated entity reference number (RN), and customer reference number (CN) included in this document in all future correspondence. Before the Central Registry program began, the TCEQ assigned air account numbers. In the Central Registry computer application, the RN is a unique number assigned to the facility (if portable) or site (if permanent), and the CN is a unique number assigned to the company or corporation and applies to all facilities and sites owned or operated by the company or corporation. Your cooperation is appreciated.

If you need further information or have any questions, please contact Ms. Helga Chatelle at (512) 239-1585 or write to Texas Commission on Environmental Quality, Office of Permitting, Remediation, and Registration, Air Permits Division (MC-163), P.O. Box 13087, Austin, Texas 78711-3087.

This action is authorized on behalf of the TCEQ Executive Director.

Sincerely,

A handwritten signature in black ink, appearing to read "R. A. Hyde".

Richard A. Hyde, P.E., Director
Air Permits Division
Office of Permitting, Remediation, and Registration
Texas Commission on Environmental Quality

RAH/HEC/jls

Enclosures

cc: Air Section Manager, Region 9 - Waco

Project Number: 118587

Standard Permit General Conditions

The following general conditions are applicable to holders of standard permits, but will not necessarily be specifically stated within the standard permit document.

- (1) Protection of public health and welfare. The emissions from the facility must comply with all applicable rules and regulations of the commission adopted under the Texas Health and Safety Code, Chapter 382, and with intent of the TCAA, including protection of health and property of the public.
- (2) Standard permit representations. All representations with regard to construction plans, operating procedures, and maximum emission rates in any registration for a standard permit become conditions upon which the facility or changes thereto, must be constructed and operated. It is unlawful for any person to vary from such representations if the change will affect that person's right to claim a standard permit under this section. Any change in condition such that a person is no longer eligible to claim a standard permit under this section requires proper authorization under Title 30 Texas Administrative Code § 116.110 (30 TAC § 116.110) of this title (relating to Applicability). If the facility remains eligible for a standard permit, the owner or operator of the facility shall notify the executive director of any change in conditions which will result in a change in the method of control of emissions, a change in the character of the emissions, or an increase in the discharge of the various emissions as compared to the representations in the original registration or any previous notification of a change in representations. Notice of changes in representations must be received by the executive director no later than 30 days after the change.
- (3) Standard permit in lieu of permit amendment. All changes authorized by standard permit to a facility previously permitted under 30 TAC § 116.110 of this title (relating to Applicability) shall be administratively incorporated into that facility's permit at such time as the permit is amended or renewed.
- (4) Construction progress. Start of construction, construction interruptions exceeding 45 days, and completion of construction shall be reported to the appropriate regional office not later than 15 working days after occurrence of the event, except where a different time period is specified for a particular standard permit.
- (5) Start-up notification. The appropriate air program regional office of the commission and any other air pollution control program having jurisdiction shall be notified prior to the commencement of operations of the facilities authorized by the standard permit in such a manner that a representative of the executive director may be present. For phased construction, which may involve a series of units commencing operations at different times, the owner or operator of the facility shall provide separate notification for the commencement of operations for each unit. A particular standard permit may modify start-up notification requirements.
- (6) Sampling requirements. If sampling of stacks or process vents is required, the standard permit holder shall contact the Office of Permitting, Remediation, and Registration and any other air pollution control program having jurisdiction prior to sampling to obtain the proper data forms and procedures. All sampling and testing procedures must be approved by the executive director and coordinated with the regional representatives of the commission. The standard permit holder is also responsible for providing sampling facilities and conducting the sampling operations or contracting with an independent sampling consultant.

- (7) Equivalency of methods. The standard permit holder shall demonstrate or otherwise justify the equivalency of emission control methods, sampling or other emission testing methods, and monitoring methods proposed as alternatives to methods indicated in the conditions of the standard permit. Alternative methods must be applied for in writing and must be reviewed and approved by the executive director prior to their use in fulfilling any requirements of the standard permit.
- (8) Recordkeeping. A copy of the standard permit along with information and data sufficient to demonstrate applicability of and compliance with the standard permit shall be maintained in a file at the plant site and made available at the request of representatives of the executive director, the EPA, or any air pollution control program having jurisdiction. For facilities that normally operate unattended, this information shall be maintained at the nearest staffed location within Texas specified by the standard permit holder in the standard permit registration. This information must include, but is not limited to, production records and operating hours. Additional recordkeeping requirements may be specified in the conditions of the standard permit. Information and data sufficient to demonstrate applicability of and compliance with the standard permit must be retained for at least two years following the date that the information or data is obtained. The copy of the standard permit must be maintained as a permanent record.
- (9) Maintenance of emission control. The facilities covered by the standard permit may not be operated unless all air pollution emission capture and abatement equipment is maintained in good working order and operating properly during normal facility operations. Notification for upsets and maintenance shall be made in accordance with 30 TAC §§ 101.6 and 101.7 of this title (relating to Upset Reporting and Recordkeeping Requirements; and Maintenance, Startup and Shutdown Reporting, Recordkeeping, and Operational Requirements).
- (10) Compliance with rules. Registration of a standard permit by a standard permit applicant constitutes an acknowledgment and agreement that the holder will comply with all rules, regulations, and orders of the commission issued in conformity with the TCAA and the conditions precedent to the claiming of the standard permit. If more than one state or federal rule or regulation or permit condition is applicable, the most stringent limit or condition shall govern. Acceptance includes consent to the entrance of commission employees and designated representatives of any air pollution control program having jurisdiction into the permitted premises at reasonable times to investigate conditions relating to the emission or concentration of air contaminants, including compliance with the standard permit.

Air Quality Standard Permit for Concrete Batch Plants

Standard Permit No. 4

Effective Date July 10, 2003

This air quality standard permit authorizes concrete batch plant facilities which meet all of the conditions listed in paragraphs (1) through (3) and one of paragraphs (4), (5) or (6). If a standard permit registration is based on paragraphs (4), (5), or (6) and changes are proposed which change the paragraph under which the facility will be constructed and operate, the concrete batch plant must reapply for a new standard permit.

(1) Administrative Requirements

- (A) Any concrete batch plant authorized under this standard permit shall be registered in accordance with Title 30 Texas Administrative Code § 116.611 (30 TAC § 116.611), Registration to use a Standard Permit. Owners or operators shall submit a completed Form PI-1S-CBP entitled "Air Quality Standard permit Registration for Concrete Batch Plants," Table 20 entitled, "Concrete Batch Plants" and a Concrete Batch Plant Standard Permit checklist. Facilities which meet the conditions of this standard permit do not have to meet the emissions and distance limitations listed in 30 TAC § 116.610(a)(1), Applicability.
- (B) Applications shall also comply with 30 TAC § 116.614 "Standard Permit Fees" when the registration is required to complete public notification under paragraph two of this standard permit.
- (C) No owner or operator of a concrete batch plant shall begin construction and/or operation without obtaining written approval from the Texas Commission on Environmental Quality (TCEQ), Executive Director. The time period in 30 TAC § 116.611(b) (45 days) does not apply to facilities registering under this permit. Those facilities which are not required to comply with the public notification requirements of paragraph two should receive approval within 45 days after receipt of the registration request by the TCEQ Executive Director. Start of construction of any facility registered under this standard permit shall comply with 30 TAC § 116.115(b)(2)(A) and commence within 18 months of written approval from the TCEQ.
- (D) Any concrete batch plant which has registered but not constructed or filed a registration request for a permit by rule filed under 30 TAC §§ 106.201, 106.202, or 106.203 [relating to Permanent and Temporary Concrete Batch Plants (previously SE 71); Temporary Concrete Batch Plants (previously SE 93); and Specialty Batch Plants (previously SE 117)] prior to the effective date of this permit will be processed under those rules.
- (E) Applicants are not required to submit air dispersion modeling as a part of any concrete batch plant standard permit application.
- (F) Records shall be maintained on-site for the following:
 - (i) production rates for each hour of operation which demonstrate compliance with the most applicable of paragraphs (4)(A), (5)(B) and (C), or (6)(C) and (D); and

- (ii) production and other records as required by 30 TAC §§ 101.6 - 101.7 and by (1)(F)(i) of this standard permit shall be kept for lesser of either the most recent rolling 24-month period or the duration of operation at a given site.

(2) Public Notice

Unless the facility is to be a temporary concrete plant, as defined in paragraph five of this permit, which is located in, or contiguous to, the right-of-way of a public works project, public notice must be conducted. Notification must follow the requirements in 30 TAC Chapter 39, Subchapters H and K. In addition, sign posting must be performed following the requirements of 30 TAC § 39.604. The signs shall be headed by the words "PROPOSED AIR QUALITY STANDARD PERMIT."

(3) General Requirements

- (A) All cement/fly ash storage silos and weigh hoppers shall be equipped with a fabric or cartridge filter or vented to a fabric or cartridge filter system.
- (B) Fabric filters and collection systems shall meet all of the following:
 - (i) any fabric or cartridge filter, any fabric or cartridge filter system, and any suction shroud shall be maintained and operated properly with no tears or leaks;
 - (ii) all filter systems (including any central filter system) shall be designed to meet at least 0.01 outlet grain loading (grains/dry standard cubic foot);
 - (iii) all filter systems, mixer loading, and batch truck loading emissions control devices shall meet a performance standard of no visible emissions exceeding 30 seconds in any six-minute period as determined using U.S. Environmental Protection Agency (EPA) Test Method (TM) 22; and
 - (iv) when cement or fly ash silos are filled during non-daylight hours, the silo filter system exhaust shall be sufficiently illuminated to enable a determination of compliance with the visible emissions requirement in (3)(B)(iii) of this permit.
- (C) Conveying systems for the transfer of cement/fly ash shall meet all of the following:
 - (i) conveying systems to and from the storage silos shall be totally enclosed, operated properly, and maintained with no tears or leaks; and
 - (ii) these systems, except during cement/fly ash tanker connect and disconnect, shall meet a performance standard of no visible emissions exceeding 30 seconds in any six-minute period as determined using EPA TM 22.
- (D) A warning device shall be installed on each bulk storage silo. This device shall alert operators in sufficient time prior to the silo reaching capacity during loading operations, so that the loading operation can be stopped prior to filling to such a level as to potentially adversely impact the pollution abatement equipment. Any filling of the silo resulting in failure of the abatement system, or visible emissions in excess of paragraph (3)(B)(iii) of this standard permit, must be documented and reported following the requirements of 30 TAC § 101.6 or 101.7, as appropriate.

- (E) Dust emissions from all in-plant roads and traffic areas associated with the operation of the concrete batch plant must be minimized at all times by at least one of the following methods:
 - (i) covered with a material such as, but not limited to, roofing shingles or tire chips (when used in combination with (ii) or (iii) of this subsection);
 - (ii) treated with dust-suppressant chemicals;
 - (iii) watered; or
 - (iv) paved with a cohesive hard surface that is maintained intact and cleaned.
 - (F) All stockpiles shall be sprinkled with water, dust-suppressant chemicals, or covered, as necessary, to minimize dust emissions.
 - (G) Spillage of materials used in the batch shall be immediately cleaned up and contained or dampened so that dust emissions are minimized.
- (4) Additional Requirements for Concrete Batch and Specialty Batch Concrete, Mortar, Grout Mixing, or Pre-Cast Concrete Products Plants
- (A) Site production shall not exceed 30 cubic yards per hour.
 - (B) As an alternative to the requirement in paragraph (3)(A) of this section, the cement/fly ash weigh hopper may be vented inside the batch mixer.
 - (C) Dust emissions at the batch mixer feed shall be controlled by one of the following:
 - (i) a spray device which eliminates visible emissions;
 - (ii) a pickup device delivering air to a fabric or cartridge filter;
 - (iii) an enclosed batch mixer feed such that no visible emissions occur; or
 - (iv) conducting the entire mixing operation inside the enclosed process building such that no visible emissions from the building occur during mixing activities.
 - (D) Except for incidental traffic, vehicles used for the operation of the concrete batch plant may not be operated within 25 feet of any property line, except for entrance and exit to the site. In lieu of meeting this distance requirement, roads and other traffic areas must be bordered by dust preventive fencing or other barrier along all traffic routes or work areas within the 25-foot specified buffer area. These borders shall be constructed to a height of at least 12 feet.

(5) Additional Requirements for Temporary Concrete Plants

For the purposes of this section, a temporary concrete plant is one that occupies a designated site for not more than 180 consecutive days or supplies concrete for a single project (single contract or same contractor for related project segments), but not other unrelated projects.

- (A) Site production shall be limited to no more than 300 cubic yards per hour.

- (B) Dust control at the truck drop or mixing point shall comply with one of the following:
- (i) Facilities which occupy a site for less than 180 consecutive days and have production rates less than 200 cy/hr may load rotary mix trucks through a discharge spout equipped with a water fog ring having low-velocity fog nozzles spaced to create a continuous fog curtain that minimizes dust emissions. If a water fog ring is used at the truck drop point, the visible emissions limitations (and associated compliance determination methods) of subsection (3)(B)(III) and (IV) must be met.
 - (ii) All other facilities must use a suction shroud and fabric filter/cartridge filter system. The suction shroud or other pickup device shall be installed at the batch drop point (drum feed for central mix plants) and vented to a fabric or cartridge filter system with a minimum of 4,000 actual cubic feet per minute of air and must meet subsection (3)(B).
- (C) All of the following applicable distance limitations must be met. For concrete batch plants which supply concrete for a single public works project, the "property line" measurements for purposes of compliance with this standard permit and 30 TAC § 111.155 shall be made to the outer boundaries of the designated public property, roadway project and associated rights-of-way.
- (i) The suction shroud baghouse exhaust or truck drop point shall be located at least 100 feet from any property line.
 - (ii) For those facilities with a water fog ring, the truck drop point shall be a minimum of 300 feet from the nearest non-industrial receptor.
 - (iii) Stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) may not be located or operated, respectively, within the following specified distances from any property line:
 - (iv) for those facilities with production rates less than or equal to 200 cubic yards per hour, at least 25 feet; and
 - (v) for those facilities with production rates more than 200 and less than or equal to 300 cubic yards per hour, at least 50 feet.
- (D) In lieu of meeting the distance requirements for roads and stockpiles of (5)(C)(iii), the following may be followed:
- (i) roads and other traffic areas within the buffer distance must be bordered by dust suppressing fencing or other barrier along all traffic routes or work areas. These borders shall be constructed to a height of at least 12 feet; and
 - (ii) stockpiles within this buffer distance must be contained within a three-walled bunker which extends at least two feet above the top of the stockpile.
- (E) The owner or operator of a temporary concrete plant that has previously been determined by the commission to be in compliance with the technical requirements of the standard permit in effect at the time of registration, which supplies concrete to a public works project and is located in or contiguous to the right of way of that public works project may, in lieu of the registration requirement in subsection(1)(A) of this standard permit, register by notifying the appropriate TCEQ regional office and any local air pollution control agency having jurisdiction in writing at least 30 calendar days prior to locating at the site. The notification shall include the owner and, if applicable, the operator's name,

address, and phone number as well as the physical description of the site, scaled plot plan of site with location of equipment authorized by this standard permit, concrete plant serial number, account number or regulated entity number, expected hours of operation, expected date of arrival on site and expected date to vacate the site, a completed Table 20, and a Concrete Batch Plant Standard Permit Checklist. Temporary concrete plants that do not supply concrete to a public works project must apply for a new registration under subsection (1)(A) of this standard permit in order to relocate at a new site.

(6) Additional Requirements for Other Concrete Plants

- (A) Site production shall be limited to no more than 300 cubic yard per hour.
- (B) A suction shroud or other pickup device shall be installed at the batch drop point (drum feed for central mix plants) and vented to a fabric or cartridge filter system with a minimum of 4,000 actual cubic feet per minute of air.
- (C) All entry and exit roads and main traffic routes associated with the operation of the concrete batch plant (including batch truck and material delivery truck roads) shall be paved with a cohesive hard surface that can be maintained intact and shall be cleaned. All batch trucks and material delivery trucks shall remain on paved surface when entering, conducting primary function, and leaving the property. Other traffic areas must comply with the control requirements of paragraph (3)(E).
- (D) The following distance limitations must be met:
 - (i) the suction shroud baghouse exhaust shall be at least 100 feet from any property line;
 - (ii) stationary equipment, stockpiles, or vehicles used for the operation of the concrete batch plant (except for incidental traffic and the entrance and exit to the site) may not be located or operated, respectively, within the following specified distances from any property line:
 - (iii) for those facilities with production rates less than or equal to 200 cubic yards per hour, at least 25 feet; and
 - (iv) for those facilities with production rates more than 200 and less than or equal to 300 cubic yards per hour, at least 50 feet.
- (E) In lieu of meeting the distance requirements for roads and stockpiles of (5)(C)(ii), the following may be followed:
 - (i) roads and other traffic areas within the buffer distance must be bordered by dust suppressing fencing or other barrier along all traffic routes or work areas. These borders shall be constructed to a height of at least 12 feet; and
 - (ii) stockpiles within this buffer distance must be contained within a three-walled bunker which extends at least two feet above the top of the stockpile.